

June 8, 2007

Chip Humphrey
Eric Blischke
U.S. Environmental Protection Agency, Region 10
811 SW 6th Avenue, 3rd Floor
Portland, OR 97204

**Re: Lower Willamette River, Portland Harbor Superfund Site
USEPA Docket No: CERCLA-10-2001-0240
Monthly Progress Report for May 2007**

Dear Mssrs. Humphrey and Blischke:

This monthly status report provides information required by the Portland Harbor Superfund Site Administrative Settlement and Administrative Order on Consent (ASOC).

1. ACTIONS TAKEN IN MAY 2007

- Triggered by rainfall events, stormwater composite sample collection occurred on May 3rd (19 of the 23 stations sampled for analysis), and stormwater grab sample collection occurred on May 20th (7 of 10 target stations sampled for analysis).
- The retrieval of the in-water sediment traps following the 2nd quarter deployment period (Feb-May) was initiated on April 30 and completed on May 2. The field crew located all 15 of the sediment traps that were deployed over the second quarter. Of those 15, 3 had insufficient volume to merit collection and were photographed and re-deployed. Five samples had insufficient volume to fill all sample jars but were determined at the analytical labs to have enough volume to conduct all analyses. The sediment trap at Willbridge Terminal was missing at the end of the first quarter and could not be replaced for the 2nd Quarter. It was re-deployed for the 3rd Quarter at a revised location approved by EPA in the downstream portion of Willbridge Terminal on May 2.

Deliverables Approved by EPA

None

Deliverables Submitted to EPA

- May 4, 2007: Round 3B Field Sampling Plan: Sediment Sampling and Benthic Toxicity Testing
- May 7, 2007: Round 3 Sturgeon Field Sampling Report
- May 21, 2007: Round 3A September 2006 Low-flow Event and November 2006 Stormwater Runoff Event Surface Water Data Report
- May 25, 2007: Draft Round 3B Surface and Core Sediment FSP Preliminary Technical Memorandum
- May 25, 2007: Draft Upriver and Multnomah Channel Sediment Evaluation and FSP Technical Memorandum

- May 31, 2007: A final Comprehensive Round 2 Report errata sheet was placed in the Errata folder on the EPA Portal on May 31, 2007. This errata sheet largely contained corrections to table, figure, and map call outs in the report that were noted in post-production review of the document.
- May 31, 2007: At EPA's request, regression equations that were used to derive the shellfish consumption iPRGs in the Round 2 Report for chemicals that were not evaluated with the food web model were provided to EPA and placed under the Round 2 Report Errata tab on the EPA Portal in a folder labeled "BSAF Equations".

2. PROBLEMS ENCOUNTERED, ANTICIPATED DELAYS, AND SOLUTIONS

As noted above, a final Comprehensive Round 2 Report errata sheet was provided to EPA.

The LWG and EPA reached agreement on Round 3 Sturgeon tissue samples analyses and the sturgeon samples were shipped to analytical laboratory on May 31, 2007.

The weather turned unseasonably warm and dry in May and the LWG/EPA stormwater technical group is assessing the samples collected to date and evaluating options for completing the sampling program defined in that the FSP as fully as possible. A consensus on a technical approach to complete the sampling program is expected in June.

3. RESULTS OF SAMPLING, TESTS, AND OTHER DATA RECEIVED

The following chemical analysis results were received and validated in May 2007:

Round 2 Benthic Tissue – Mussels

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
Axys	Dioxins	7	0	100	0
Axys	Pesticides	7	0	100	0
Axys	PCB congeners	7	0	100	0
Axys	Lipids	7	0	100	0
CAS	Metals	7	0	100	100
CAS	Butyltins	7	0	100	100
CAS	SVOC	7	0	100	100
CAS	PAH-SIM	7	0	100	100
CAS	Phthalate esters	7	0	100	100

Round 3 Benthic Tissue - Lamprey

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
Axys	Dioxins	9	9	100	0
Axys	Pesticides	9	9	100	0
Axys	PCB congeners	9	9	100	0
Axys	Lipids	9	0	0	0
CAS	Metals	8	0	100	0
CAS	Butyltins	1	0	100	0

CAS	SVOC	5	0	100	0
CAS	PAH-SIM	7	0	100	0

Round 3A Stormwater Outfalls (March 2007 Storm Event)

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	12	0	100	8
CAS	Metals	12	0	100	8
CAS	Metals				
CAS	dissolved	12	0	100	8
CAS	Pesticides	3	0	100	67
CAS	Herbicides	7	0	100	14
CAS	PAH-SIM	12	0	100	8
CAS	Phthalate esters	4	0	100	0
Vista	PCB congeners	8	1	100	88

Round 3A Stormwater Outfalls (April 2007 Storm Event I)

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	22	22	100	0
CAS	Metals	22	22	100	0
CAS	Metals				
CAS	dissolved	2	2	100	0
CAS	Herbicides	16	16	100	0
CAS	PAH-SIM	22	22	100	0
CAS	Phthalate esters	9	9	100	0
Vista	PCB congeners	19	19	100	0

Round 3A Stormwater Outfalls (April 2007 Storm Event II)

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	14	14	100	0
CAS	Metals	14	14	100	0
CAS	Metals				
CAS	dissolved	14	14	100	0
CAS	Herbicides	9	9	100	0
CAS	PAH-SIM	14	14	100	0
CAS	Phthalate esters	6	6	100	0
Vista	PCB congeners	14	14	100	0

Round 3A Stormwater Outfalls (April 2007 Storm Event III)

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	13	13	100	0
CAS	Metals	10	10	100	0
CAS	Pesticides	1	1	100	0
CAS	Herbicides	7	7	100	0
CAS	PAH-SIM	10	10	100	0
CAS	Phthalate esters	7	7	100	0
Vista	PCB congeners	11	11	100	0

Round 3A Stormwater Outfalls (May 2007 Storm Event I)

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	20	0	0	0
CAS	Metals	20	0	0	0
CAS	Metals				
CAS	dissolved	20	0	0	0
CAS	Pesticides	3	0	0	0
CAS	Herbicides	13	0	0	0
CAS	PAH-SIM	8	0	0	0
CAS	Phthalate esters	5	0	0	0
Vista	PCB congeners	13	0	0	0

Round 3A Stormwater Outfalls (May 2007 Storm Event II) - Grab Samples

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	8	0	0	0
CAS	SVOC	13	0	0	0
CAS	Herbicides	14	0	0	0
CAS	PAH-SIM	15	0	0	0
Vista	PCB congeners	15	0	0	0

Round 3 Surface Water (2007 High Flow Event)

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
Axys	Dioxins	44	24	100	18
Axys	Pesticides	52	32	100	15
Axys	PCB congeners	80	57	81	10
Axys	PAH-SIM	44	24	100	80
CAS	Conventionals	42	0	100	100
CAS	Metals	42	0	100	100
CAS	Metals				
CAS	dissolved	42	0	100	100

CAS	Butyltins	42	0	100	100
CAS	Pesticides	14	0	100	100
CAS	SVOC	42	0	100	100
CAS	Herbicides	42	0	100	100
CAS	PAH-SIM	42	0	100	100
CAS	Phthalate esters	42	0	100	100

Round 3 Sediment Trap (Deployed in River) Event I

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	14	0	100	100
CAS	Metals	14	0	100	100
CAS	Butyltins	14	0	100	100
CAS	TPH	14	0	100	100
CAS	VOC	14	0	100	100
CAS	Dioxins	14	0	100	100
CAS	Pesticides	14	0	100	100
CAS	PCBs	14	0	100	100
CAS	SVOC	14	0	100	100
CAS	Herbicides	14	0	100	100
CAS	PAH-SIM	14	0	100	100
Vista	PCB congeners	14	0	100	100

Round 3 Sediment Trap (Deployed in River) Event II

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	12	0	0	0
CAS	Metals	12	0	0	0
CAS	Butyltins	12	0	0	0
CAS	TPH	12	0	0	0
CAS	VOC	12	0	0	0
CAS	Dioxins	12	0	0	0
CAS	Pesticides	12	0	0	0
CAS	PCBs	12	0	0	0
CAS	SVOC	12	0	0	0
CAS	Herbicides	12	0	0	0
CAS	PAH-SIM	12	0	0	0
Vista	PCB congeners	12	0	0	0

Round 3A Upstream/Downstream Sediments

Lab	Analyte Group	Total # Samples for Task	Data Received May 2007	% Analysis Complete	% Validation Completed
CAS	Conventionals	115	0	100	100
CAS	Metals	116	0	100	100
CAS	TPH	116	0	100	100
CAS	VOC	119	0	100	100
CAS	Dioxins	79	0	100	100
CAS	Pesticides	116	0	100	100
CAS	PCBs	116	0	100	100
CAS	SVOC	116	0	100	100
CAS	PAH-SIM	116	0	100	100
Texas A&M	Radioisotopes	111	0	0	0

4. SCHEDULE FOR THE NEXT FOUR MONTHS

Work described in the ASOC that is planned for June, July, August, and September 2007 includes the following:

- June 2007: Complete or terminate Round 3 Stormwater Sampling Program
- June 2007: FSP Addendum for Round 3 Lamprey Toxicity Testing
- June 2007: Revised Hydrodynamic Modeling Sedflume Data Use Technical Memorandum
- June 2007: Draft Erosion Area Core FSP Technical Memorandum
- July 2007: Draft Fate and Transport Modeling Report
- July 2007: Round 3A Sediment Trap Sampling Quarter 2 Field Report
- July/August 2007: Final Round 3B FSP(s) for Round 3B Sediment Sampling
- July/August 2007: Draft additional Round 3B FSPs that emerge from on-going Round 3B data needs discussions between the LWG and EPA
- August 2007: Retrieve in-water sediment traps at the end of the 3rd Quarter, sample sediments, and re-deploy
- August 2007: Round 3A Sediment Upstream/Downstream Data Report
- August 2007: Round 3A 2007 High Flow Surface Water Data Report
- August 2007: Identify Round 3 Data Needs based on Fate & Transport Modeling results
- September 2007: Stormwater Field Sampling Report

Submittal dates for pending products currently under preparation by LWG and scheduled for submittal in upcoming months are listed in Table 1.

5. DOCUMENTS AND ISSUES AWAITING EPA RESPONSE

EPA comments or approvals have not been received on several milestones and documents that have been submitted to EPA as required by the ASOC; these and other documents and milestones are listed in Table 1. The LWG requests document/milestone approvals to verify that the terms of the ASOC are being met and issues are resolved to maintain progress on the RI/FS.

If you have any questions, please give me a call at (360) 705-3534.

Sincerely,



Gene C. Revelas
RI/FS Coordinator

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 LWG Repository

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Round 1			
Conceptual Site Model Update	9/17/2004	Submitted; EPA comments received 1/13/2005	
Revised Conceptual Site Model Update Site Summaries	10/10/2005	Summaries submitted 10/10/2005 for Gasco, Triangle Park, ExxonMobil, Marcom, Arkema, Gunderson, & Foss Brix	EPA comments not anticipated
Remaining Revised Conceptual Site Model Update Site Summaries	2/28/2007	Summaries for Rhone-Poulenc and Siltronic submitted on 2/28/2007.	4/30/2007
Conceptual Site Model Update - Remaining Upland Site Summaries	First batch: 3/8/2005	First batch submitted on 3/8/2005	First batch: 5/8/2005
	Second batch: 3/8/2005	Second batch submitted on 3/8/2005	Second batch: 5/8/2005
	Third batch: 4/26/2005	Third batch submitted on 4/26/2005	Third batch: 6/27/2005
	Fourth batch: 4/26/2005	Fourth batch submitted on 4/26/2005	Fourth batch: 6/27/2005
	Fifth batch: 5/31/2005	Fifth batch submitted on 5/31/2005	Fifth batch: 8/1/2005
	Sixth batch: 5/31/2005	Sixth batch submitted on 5/31/2005	Sixth batch: 8/1/2005
	Seventh batch: 9/1/2005	Seventh batch submitted on 9/2/2005	Seventh batch: 10/31/2005
	Last batch: 2/28/2007	Last batch submitted 2/28/2007	Last batch: 4/30/2007

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Round 2 Biota			
<i>Revised Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue</i>	11/23/2005	Submitted 11/23/2005; approved with conditions on 12/6/2005; a final QAPP addendum is required	12/8/2005
<i>Final Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue</i>	TBD	On 2/9/2006, the LWG submitted a response to EPA's comments on the 11/23/2005 version of the QAPP addendum. The LWG has not heard back from EPA on that response. The LWG believes that a final QAPP is not required.	
Hydro/Sed Modeling			
<u>Phase 2 Recalibration Results: Hydrodynamic Sedimentation Modeling for the Lower Willamette River</u>	<u>12/8/2006</u>	Submitted 12/8/2006; EPA comments received 4/3/2007	<u>2/6/2006</u>
<u>Revised Sedflume Data Use Technical Memorandum</u>	<u>June 2007</u>		
Groundwater Pathway			
<i>Draft Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan</i>	4/22/2005	Submitted 4/22/2005; EPA comments received 6/3/2005	
<i>Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan - Response to EPA Comments</i>	TBD	This response to comments is on hold pending resolution of ongoing TZW framework discussions with EPA related to Round 3 data gap identification.	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<u>Revised Round 2 Groundwater Pathway Assessment Sampling and Analysis Plan (including Appendix A - Site Summaries and Appendix B - Pilot Study Data Report)</u>	TBD	Revision of the Round 2 GWPA SAP is on hold pending resolution of ongoing TZW framework discussions with EPA related to Round 3 data gap identification.	
<u>Round 2 FSP for Sampling of Shoreline Seeps at Human Use Beaches</u>	4/29/2005	Submitted 4/29/2005; EPA comments received 6/10/2005	
<u>Revised Round 2 FSP for Sampling of Shoreline Seeps at Human Use Beaches</u>	TBD	The only seep determined to pose a potentially complete exposure pathway is discharge from Outfall 22B. The existing data from Outfall 22B include the upland COIs and meet the data quality requirements for risk evaluation (Category 1/QA2). Based on the Round 2 Report evaluations, no additional seep data are needed. Therefore, this FSP is no longer needed.	
<u>Revised Round 2 Groundwater Pathway Assessment SAP Attachment 2: Transition Zone Water FSP</u>	3/27/2006	Redline version submitted 3/27/2006; final to be submitted following approval or comments from EPA	4/28/2006

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Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Revised Round 2 Groundwater Pathway Assessment SAP Attachment 3: Supplement to QAPP Addendum 3</i>	10/7/2005	Submitted 10/7/2005: Conditional approval of proposed changes to the QAPP addendum received from EPA on 9/30/2005.	
<i>Dioxin Analysis Attachment to the Supplement to QAPP Addendum 3</i>	TBD	EPA's 10/13/2005 conditional approval of the QAPP Addendum 3 Supplement required dioxin analysis of TZW samples at RPAC, the LWG has collected and analyzed the dioxin TZW samples.	
<i>Revised Transition-Zone Water FSP Addendum 1 Sampling Plans for ExxonMobil, Siltronic, Gasco, and Arkema</i>	3/27/2006	Submitted 3/27/2006	
<i>Revised Transition-Zone Water FSP Addendum 2</i>	3/27/2006	Submitted 3/27/2006	
Natural Attenuation			
<i>Step 2 Natural Attenuation Evaluation Report</i>	No longer needed	EPA's proposed fate and transport modeling approach will provide the needed evaluation on monitored natural recovery (MNR). We propose that model be used to identify any further MNR data gaps and evaluations once it is up and running.	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Tech Memos			
Revised TRV Selection TM	10/23/2004	Submitted; EPA comments received 3/18/2005. On 6/10/2005, EPA directed the LWG to submit the final TRV Selection TM with the PRE.	
Second Revision Preliminary Risk Evaluation Approach TM	1/7/2005	Submitted; EPA comments received 3/4/2005. On 6/10/2005, EPA directed the LWG to submit the final PRE approach TM with the PRE.	
Comprehensive ERA Approach TM	6/27/2004	Submitted; EPA comments received 10/1/2004	
Revised Comprehensive ERA Approach TM	TBD	In a 1/11/2006 meeting with EPA, the LWG proposed deleting this deliverable. The LWG has not heard back from EPA on this proposal.	
Process for Derivation of PRGs TM	1/20/2005	Submitted; EPA comments received 6/30/2006; a revised tech memo is not required.	3/21/2005
<i>Response to EPA Comments on Process for Derivation of PRGs TM</i>	9/1/2006	Submitted 9/1/2006	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Draft Approach to Determining Background for the Portland Harbor Superfund Site</i>	3/3/2006	Submitted 3/3/2006; EPA comments received 6/5/2006; revised tech memo required.	5/2/2006
<i>Revised Approach to Determining Background for the Portland Harbor Superfund Site</i>	7/20/2006	LWG response to EPA comments was submitted on 7/14/2006. Further discussion with EPA is required before the tech memo can be revised.	
<i>Process for Delineating the Extent of Contamination Upstream and Downstream of the ISA</i>		The approach for Delineating the Extent of Contamination Upstream and Downstream of the ISA will be provided in the Comprehensive Round 2 Report	
<i>COPC Selection Interim Deliverable</i>	~1/23/2006	In a 1/11/2006 meeting with EPA, the LWG proposed deleting this deliverable. The LWG has not heard back from EPA on this proposal.	
Ecological Risk Assessment			
Ecological Preliminary Risk Evaluation (PRE)	9/9/2005	Submitted 9/9/2005; EPA comments received 4/28/2006, a revised PRE is not required	11/8/2005
Bioassay Data Report	4/15/2005	Submitted 4/8/2005	6/7/2005; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2 Benthic Assessment Interpretation Report</i>	3/17/2006	Submitted 3/17/2006; EPA comments received 7/6/2006	5/16/2006
<i>Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site</i>	11/4/2005	Submitted 11/4/2005; EPA comments received 3/10/2006	1/3/2006
<i>Response to EPA comments on Food Web Modeling Report: Evaluating Trophic Trace and the Arnot and Gobas Models for Application to the Portland Harbor Superfund Site</i>	4/21/2006	Submitted 4/21/2006	
<i>Revised Ecological Water Screening Levels</i>	5/26/2006	Submitted 5/25/2006; directive EPA comments received 9/15/2006, and a correction to the xylene AWQC on 9/27/06. Additional revisions were submitted on 10/13/2006.	7/9/2006; delay in receipt of EPA comments or approval of this submittal will impact the project schedule
Feasibility Study			
<i>2003 Sediment Stake Results Report</i>	4/16/2004	Submitted	EPA comments not anticipated
<i>Draft Disposal Site Inventory Preliminary Screening Report</i>	7/12/2004	Submitted	9/10/2004; project schedule not yet impacted by lack of comments on this submittal
<i>Facility Siting Re-Screen Report</i>	TBD, Work Plan submittal deadline is 3/14/2005	In a 2/8/2006 meeting, EPA stated that it agreed to delete this deliverable.	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
Literature Survey of Treatability Studies	6/x/2007	The LWG proposes to submit this deliverable in June 2007.	
General Field/Data/RI Reporting			
<i>Validated Analytical Results</i>	90 days following completion of each sampling activity		
<i>Round 2 Surface Sediment Field Sampling Report</i>	1/4/2005	Submitted	3/7/2005; EPA comments not anticipated
<i>Round 2A Subsurface Sediment Field Sampling Report</i>	1/10/2005	Submitted	3/11/2005; EPA comments not anticipated
<i>Round 2A Event 1 Surface Water Field Sampling Report</i>	1/31/2005	Submitted	4/1/2005; EPA comments not anticipated
<i>Round 2A Winter 2005 Surface Water Field Sampling Report</i>	5/16/2005	Submitted	7/15/2005; EPA comments not anticipated
<i>Round 2A Summer 2005 Surface Water Field Sampling Report</i>	9/19/2005	Submitted	11/19/2005; EPA comments not anticipated
<i>Round 2 Subyearling Chinook Tissue Collection Field Sampling Report</i>	7/18/2005	Submitted 7/18/2005	9/16/2005; EPA comments not anticipated
<i>Round 2 Multiplate Tissue Field Sampling Report</i>	11/23/2005	Submitted 11/23/2005	1/13/2006; EPA comments not anticipated
<i>Draft Round 2 Sediment Site Characterization Summary Report</i>	7/15/2005	Submitted 7/15/2005	9/13/2005; EPA comments not anticipated
<i>Draft Round 2 Surface Water Data Report for November 2004 and March 2005 Sampling Events</i>	10/17/2005	Submitted 10/17/2005	12/16/2005; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2B Subsurface Sediment Field Sampling Report</i>	12/28/2005	Submitted 12/29/2005	2/24/2006; EPA comments not anticipated
<i>Round 2 Transition Zone Water Field Sampling Report</i>	1/31/2006	Submitted 1/31/2006	4/3/2006; EPA comments not anticipated
<i>Round 2 Benthic Invertebrate Field Sampling Report</i>	2/20/2006	Submitted 2/20/2006	4/21/2006; EPA comments not anticipated
Round 2 Surface Water Site Characterization Summary Report	4/24/2006	Submitted 4/24/2006	6/23/2006
<i>Round 2 Juvenile Chinook Tissue Data Report</i>	3/31/2006	Submitted 3/31/2006	5/29/2006; EPA comments not anticipated
<i>Round 2A Surface Sediment PCB Congeners Data Report</i>	4/10/2006	Submitted 4/10/2006	6/9/2006; EPA comments not anticipated
<i>Round 2A Archived Subsurface Sediment Data Report</i>	5/5/2006	Submitted 5/8/2006	7/7/2006; EPA comments not anticipated
<i>Round 2B Subsurface Sediment Data Report</i>	5/22/2006	Submitted 5/22/2006	7/21/2006; EPA comments not anticipated
<i>Round 2 Multiplate Invertebrate Tissue Data Report</i>	6/12/2006	Submitted 6/12/2006	8/11/2006; EPA comments not anticipated
<i>Round 2 Hydrodynamic/Sediment Transport Modeling Data Collection Field Sampling Report</i>	6/19/2006	Submitted 6/19/2007	10/2/2006; EPA comments not anticipated
<i>Round 2 Benthic Tissue and Sediment Data Report</i>	9/6/2006	Submitted 9/6/2006	11/6/2006; EPA comments not anticipated

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2 Transition Zone Water Site Characterization Summary Report</i>	8/7/2006	Submitted 8/7/2006	11/6/2006
Comprehensive Round 2 Site Characterization Summary and Data Gaps Analysis Report	2/21/2007	Submitted 2/21/2007	4/23/2007
Round 3			
SURFACE WATER			
<i>Round 3 January 2006 High-flow Event Surface Water Field Sampling Report</i>	3/22/2006	Submitted 3/27/2006	5/22/2006; EPA comments not anticipated
<i>Round 3 January 2006 Surface Water Sampling Event Data Report</i>	10/23/2006	Submitted 10/23/2006	12/22/2006; EPA comments not anticipated
<i>Round 3A September 2006 Low-flow Event Surface Water Sampling Field Sampling Report</i>	12/8/2006	Submitted 12/8/2006	2/6/2007; EPA comments not anticipated
<i>Round 3A November 2006 Stormwater Runoff Event Surface Water Sampling Field Sampling Report</i>	1/15/2007	Submitted 1/15/2007	3/16/2007; EPA comments not anticipated
<i>Round 3A 2007 High Flow Surface Water Field Sampling Report</i>	5/9/2007	Submitted 04/30/07	TBD; EPA comments not anticipated
<u><i>Round 3A Surface Water Data Report for September 2006 Low-flow Event add November 2006 Stormwater Runoff Event</i></u>	<u>5/21/2007</u>	<u>Submitted 5/21/2007</u>	<u>TBD; EPA comments not anticipated</u>

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 3A 2007 High Flow Surface Water Data Report</i>	TBD		TBD; EPA comments not anticipated
BIOTA			
<i>Revised FSP: Round 3 Sampling for Pre-Breeding White Sturgeon (Acipenser transmontanus) Tissue</i>	12/22/2006	Submitted 12/22/2006; <u>approved by EPA with conditions on 2/15/2007</u>	1/22/2007
<i>Round 3 Lamprey Ammocoete Tissue Collection Field Sampling Report</i>	12/15/2006	Submitted 12/15/2006	2/16/2007; EPA comments not anticipated
<u><i>Round 3 Sturgeon Field Sampling Report</i></u>	<u>5/7/2007</u>	<u>Submitted 05/07/07</u>	<u>TBD; EPA comments not anticipated</u>
<i>Round 3 Lamprey Ammocoete Phase 1 Toxicity Testing Data Report (and comment responses)</i>	4/6/07	Submitted 04/06/07	6/8/2007
<u><i>Round 3 Lamprey Ammocoete Tissue Testing Data Report</i></u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
<u><i>Round 2 Mussels Data Report</i></u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
<u><i>Round 3 Sturgeon Data Report</i></u>	<u>TBD</u>	<u>TBD</u>	<u>TBD</u>
STORMWATER			
<i>Round 3A Field Sampling Plan: Stormwater Sampling</i>	2/7/2007	Submitted 2/7/2007; approved by EPA on 2/15/2007 with comments.	

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
<i>Round 2 QAPP Addendum 8: Round 3A Stormwater Sampling</i>	2/7/2007	Submitted 2/7/2007; approved by EPA on 2/15/2007 with comments.	
<i><u>Stormwater Field Sampling Report</u></i>	<u>TBD</u>		
<i><u>Stormwater Site Characterization Summary Report</u></i>	<u>TBD</u>		
SEDIMENT			
<i><u>Stormwater Loading Estimate Methods Report</u></i>			<u>TBD</u>
<i>Round 3A Sediment Upstream / Downstream Field Sampling Report</i>	4/9/2007	Submitted 04/09/07	TBD; EPA comments not anticipated
<i><u>Round 3B Field Sampling Plan: Sediment Sampling and Benthic Toxicity Testing</u></i>		<u>Submitted 5/4/2007</u>	<u>TBD;</u>
<i><u>Upriver and Multnomah Channel Sediment Evaluation and Field Sampling Plan Technical Approach</u></i>		<u>Submitted 5/25/2007</u>	<u>TBD;</u>
<i><u>Draft Round 3B Surface and Core Sediment FSP Preliminary Technical Memorandum</u></i>		<u>Submitted 5/25/2007</u>	<u>TBD;</u>
<i><u>Round 3A Sediment Upstream / Downstream Data Report</u></i>	<u>8/6/2007</u>		<u>TBD; EPA comments not anticipated</u>
<i>Round 3A Sediment Radioisotope Data Report</i>	TBD		

Table 1. Status of LWG Deliverables - Portland Harbor RI/FS.

Deliverable¹	Submittal Deadline²	Status/ Comments	EPA Comments Target Date
SEDIMENT TRAP (IN-RIVER)			
<i>Round 3A Sediment Trap Sampling Quarter 1 Field Report</i>	4/1/2007	Submitted 04/16/07	TBD; EPA comments not anticipated
<u>Round 3A Sediment Trap Sampling Quarter 2 Field Report</u>	<u>7/3/2007</u>		<u>TBD; EPA comments not anticipated</u>
<i>Round 3A Sediment Trap Sampling Quarter 3 Field Report</i>	TBD		
<i>Round 3A Sediment Trap Sampling Quarter 4 Field Report</i>	TBD		
<u>Sediment Trap Data Report</u>	<u>TBD</u>		
FATE & TRANSPORT			
<u>Fate & Transport Modeling Report</u>	<u>July 2007</u>	<u>Joint LWG/EPA Modeling Team Effort; LWG Drafting Report</u>	
Cultural Resources			
Draft Cultural Resource Survey Report	12/16/2005	Submitted 12/16/2005	2/14/2006; EPA comments not time- critical at this point in the project

Notes:

¹ - **Bolded Deliverables** are primary deliverables per Section XIX., Paragraph 4 of AOC (EPA 2001a).
Unbolded Deliverables are secondary deliverables per Section XIX, Paragraph 5 of AOC.
Italicized Deliverables do not have stipulated penalty amounts.

² - Listed Submittal Deadlines are for draft documents. Unless otherwise specified, all final documents are due to EPA 30 days following receipt of comments from EPA.

Deliverables approved more than two months ago will be deleted from next month's progress report.

Only deliverables due within the next four months are shown.

Deliverable completed and approved by EPA.

Deliverable submitted to EPA and its partners.

Underlining indicates text change from last progress report.